

### **ABSTRACT OF THE DISCLOSURE**

A hip prosthesis includes a straight shaft which is to be inserted into the femur, the straight shaft including a proximal part that is configured to be inserted in the metaphyseal region of the femur. The proximal part has, on each of its front and rear faces, at least one projecting fin with a steep medial flank that deviates at least over part of its length away from the longitudinal direction of the shaft. At its top the proximal part is inclined toward the femoral neck. In this way, when the shaft is driven into the bone, the bone substance surrounding the fin is compacted and is able to absorb greater forces. The height of the fin decreases from its medial flank toward its lateral edge.